

Serial No.: 10/719,017

IN THE ABSTRACT:

~~A polymer insulator apparatus 11 is constructed by arranging and connecting a plurality of polymer post insulators 1 in parallel, whereby the strength in the direction of arrangement of the polymer post insulators 1 is increased. In mounting the polymer insulator apparatus 11 in the horizontal direction onto a supporting structure 13, the polymer insulator apparatus 11 is mounted so that the direction of parallel arrangement and connection of the polymer post insulators 1 will be the vertical direction. With the polymer post insulator apparatus and the method of mounting the insulator apparatus, the strength in an arbitrary direction can be increased, and the apparatus can save space for mounting.~~

Serial No.: 10/719,017

A polymer insulator apparatus having a rectangular structure including plural polymer post insulators, a supporting structure and a plate member, wherein a first end of each polymer post insulator is connected to the supporting structure, and a second end of each said plural post insulator is connected to the plate member. When an axial direction along a length of each plural polymer post insulator is substantially a horizontal direction and an axial direction along a length of the supporting structure is substantially a vertical direction, the plural polymer post insulators support a weight of a load acting in the vertical direction.